

ABSTRACT

DEVELOPMENT OF LEARNING MODULE MENGOLAH DATA DENGAN MICROSOFT ACCESS 2003 ON COMPUTER SKILLS AND MANAGEMENT INFORMATION LESSONS IN SMK NEGERI 2 SUKOHARJO

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This study aims to: 1) Make learning modules process the data with Microsoft Access 2003, 2) Examine the feasibility of learning module to process data with Microsoft Access 2003 as a medium of teaching in SMK Negeri 2 Sukoharjo, and 3) Determine the effectiveness of using learning modules process data with Microsoft Access 2003 on competency achievement data processing applications. This research is a research and development use development model Brog & Gall. Research and development is carried out by five steps: 1) Conducting analysis of products, 2) To develop the initial product, 3) Validation of expert and revision, 4) small-scale field trials and revisions, and 5) large-scale field tests and the final product. The subject of research on small-scale field trials were 12 students and research subjects on a large scale field tests of 78 students with a sampling technique that is purposive sampling. Determination of eligibility is done in an expert validation and small-scale field trials using a questionnaire while the effectiveness is done in large scale field tests using the results of the assessment practices. The data analysis technique for the feasibility of using descriptive statistics while the effectiveness of using two-sample t-test independent. According to expert assessment of materials and media expert in the expert validation, the learning module fit for use while in the small-scale field trials of learning modules fit for use by percentage of 83.33%. The results obtained by t-test $t = 24.028$ with $df = 74$ and $p = 0.000$, so there is a difference between the practicum students who use learning modules that do not use the learning modules. The mean of the lab for a class that uses a module that is 90.618 while the class does not use a module that is 69.405. As a whole class using the modules stated thoroughly in the competence and who do not use the module there are 5 students who need to make improvements.